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May 19, 1999

EXPRESS MAIL NO. EJ455653949US

Assistant Commissioner for Patents Washington, DC 20231 Box Patent Application

TRANSMITTAL LETTER SMALL ENTITY APPLICATION

Dear Sir:

Please find enclosed a patent application as follows:

Applicant(s): Robert S. Langer, Scott M. Cannizzaro, Bernhard G. Mueller and Kevin Shakesheff

Title: <u>Modification of Surfaces Using Biological Recognition Events</u>

Number of Pages for: Specification: 19; Claims: 9; Sheets Dwgs.: 5; No. Pages Abstract: 1; Unexecuted Formal Papers: Combined Declaration and Power of Attorney, Small Entity Statement, and Assignment;

Basic Fee: \$380.00

Additional Fees:

Total Number of Claims in excess of 20 times \$9: 12-20= .00

Number of independent claims minus 3 times \$39: 7-3=4 156.00

Multiple Dependent Claims (\$130): 130.00

Total Filing Fee \$1,125.00

Enclosed please find a check in the amount of \$1,125.00 to cover the appropriate filing fees. Additionally, please charge any further fees, or credit any overpayments, to our Deposit Account No. 03-1721.

If this application is found otherwise to be INCOMPLETE, or if at any time it appears that a TELEPHONE CONFERENCE with counsel would helpfully advance prosecution, please telephone the undersigned at any time.

Kindly acknowledge receipt of the foregoing application by returning the self-addressed postcards.

Respectfully submitted,

Karoline K. M. Shair, Reg. No. 44,332

CHOATE, HALL & STEWART Exchange Place 53 State Street Boston, MA 02109 (617) 248-5000

Dated: May 19, 1999

Exchange.3009670.1

ATTORNEY DOCKET NO.: 0492611-0335 (MIT 8070)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Langer et al.

Serial No.:

Filed:

May 19, 1999

For:

MODIFICATION OF SURFACES USING BIOLOGICAL RECOGNITION

EVENTS

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS 37 CFR 1.9(f) and 1.27(d) NON-PROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the non-profit organization identified below:

NAME OF ORGANIZATION:

Massachusetts Institute of Technology

ADDRESS OF ORGANIZATION: 77 Massachusetts Avenue, Cambridge, MA 02138

TYPE OF ORGANIZATION:

- University or other organization of higher education (X)
- Non-profit scientific or educational organization under a statute of a state of the () United States of America

NAME OF STATE:

CITATION OF STATUTE:

- Would qualify as tax exempt under the Internal Revenue Service Code (26 USC () 501(a) and 501(c) (3) if the organization were located in the United States of America
- Tax exempt under the Internal Revenue Service Code (26 USC 501(a) and 501(c) () (3).
- Would qualify as a non-profit scientific or educational organization under a statute () of a state of the United States of America

NAME OF STATE:

CITATION OF STATUTE:

I hereby declare that the above-identified non-profit organization qualifies as a non-profit organization as defined in 37 CFR 1.9(e), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code.

I hereby declare that rights under contract or law have been conveyed to and remain with the above-identified non-profit organization with regard to the invention titled:		
TITLE:	MODIFICATION OF SURFACES USING BIOLOGICAL RECOGNITION EVENTS	
by:		
INVENTORS:	Robert S. Langer, Scott M. Cannizzaro, Bernhard G. Mueller and Kevin Shakesheff	
described in:		
(X) U.S	specification filed herewith Patent Application Serial Number filed May 19, 1999 Patent Number issued	
concern, or organ	e above-identified non-profit organization are not exclusive, each individual, sization having rights to the invention is listed below* and no rights to the by any person, other than the inventor(s), who could not qualify as a small under 37 CFR 1.9(d) or a non-profit organization under 37 CFR 1.9(e).	
*NOTE: Separation organization having 1.27).	te verified statements are required from each named person, concern, or ag rights to the invention, averring to their status as small entities. (37 CFR	
FULL NAME: ADDRESS: () INDIVIDUAL	() SMALL BUSINESS CONCERN () NON-PROFIT ORGANIZATION	
FULL NAME: ADDRESS: () INDIVIDUAL	() SMALL BUSINESS CONCERN () NON-PROFIT ORGANIZATION	
FULL NAME:		
ADDRESS: () INDIVIDUAL	() SMALL BUSINESS CONCERN () NON-PROFIT ORGANIZATION	
resulting in loss of earliest of the iss	duty to file, in this application or patent, notification of any change in status entitlement to small entity status prior to paying, or at the time of paying, the ue fee or any maintenance fee due after the date on which status as a small appropriate. (37 CFR 1.28(b))	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these

 statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING:

Jarmila Z. Hrbek

NAME OF PERSON SIGNING:	Jarmila Z. Hrbek
TITLE IN ORGANIZATION:	Patent Administrator and Office Manager
ADDRESS OF PERSON SIGNING:	Massachusetts Institute of Technology
	Technology Licensing Office
	5 Cambridge Center, Kendall Square
	Room NE25-230
	Cambridge, MA 02142
SIGNATURE:	DATE:
Exchange.3009685.1	

APPLICATION FOR UNITED STATES LETTER PATENT

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

BE IT KNOWN, that We, Robert S. Langer, Scott M. Cannizzaro, Bernhard G.

Mueller and Kevin Shakesheff invented certain new and useful improvements in Modifications
of Surfaces Using Biological Recognition Events of which the following is a specification:

VExchange.3009706.1